Appendix E

TREX and TEHERP Model Runs (only listed for avocado use which represented the highest application rate and highest RQs among all the modeled uses)

Summary of Risk Quotient Calculations Based on Upper Bound Kenaga EECs

Ta	Table X. Upper Bound Kenaga, Acute Avian Dose-Based Risk Quotients									
					EECs a	nd RQs				
Size Class	Adjusted LD50	Short Grass		Tall (Grass	Pla	dleaf nts/ Insects	Fruits/Pods/ Seeds/ Large Insects		
(grams)		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	
20	0.00	2177.62	######	998.07	######	1224.91	######	136.10	######	
100	0.00	1241.77	######	569.14	######	698.50	######	77.61	######	
1000	0.00	555.96	######	254.81	######	312.73	######	34.75	######	

Tabl	Table X. Upper Bound Kenaga, Subacute Avian Dietary Based Risk Quotients										
		EECs and RQs									
	Short (Grass	Tall (Grass	Broa Plan	nts/	Fruits See	eds/			
					Small	Insects	Large Insects				
LC50	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ			
3401	1912.04	0.56	876.35	0.26	1075.52	0.32	119.50	0.04			

Size class not used for dietary risk quotients

Table X.	Upper Bot	ınd Ken	aga, Chr	onic Avi	an Dieta	ry Based	l Risk Q	uotients	
]	EECs an	d RQs				
			Tall Grass		Broa	dleaf	Fruits/Pods/		
	Short (Grass			Pla	nts/	Seeds/		
NOAEC					Small	Insects	Large Insects		
(ppm)	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	
85	1912.04	22.57	876.35	10.35	1075.52	12.70	119.50	1.41	

Size class not used for dietary risk quotients

	Table X. Upper Bound Kenaga, Acute Mammalian Dose-Based Risk Quotients													
			EECs and RQs											
Size Class (grams)	Adjusted LD50	Short	Grass	Tall Grass Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Granivore						
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ			
15	5800.07	1822.98	0.31	835.53	0.14	1025.43	0.18	113.94	0.02	25.32	0.00			
35	4692.88	1259.92	0.27	577.46	0.12	708.71	0.15	78.75	0.02	17.50	0.00			
1000	2029.81	292.12	0.14	133.89	0.07	164.32	0.08	18.26	0.01	4.06	0.00			

Table	X. Upper	Bound K	Qι	Acute Ma notients EECs an		n Dietar	y Based	Risk
LC50	Short	Grass	Tall	Grass	Pla	dleaf nts/ Insects	Fruits/Pods/ Seeds/ Large Insects	
(ppm)	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
0	1912.04	######	876.35	######	1075.52	######	119.50	######

Table X. Upper Bound Kenaga, Chronic Mammalian Dietary Based Risk												
Quotients												
NOAEC		EECs and RQs										
	Short (Grass	Tall (Grass	Broa	dleaf	Fruits	/Pods/				
(ppm)	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ				

Summary of Risk Quotient Calculations Based on Mean Kenaga EECs

	Table X. Mean Kenaga, Acute Avian Dose-Based Risk Quotients									
					EECs a	nd RQs				
Size Class (grams)	Adjusted LD50	Short	Short Grass		Tall Grass		dleaf nts/ Insects	Fruits/Pods/ Seeds/ Large Insects		
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	
20	0.00	771.98	######	326.96	######	408.70	######	63.58	######	
100	0.00	440.17	######	186.42	######	233.03	######	36.25	######	
1000	0.00	196.38	######	83.17	######	103.97	######	16.17	######	

	Table X. Mean Kenaga, Subacute Avian Dietary Based Risk Quotients											
			EECs and RQs									
			Broadleaf Fruit					Fruits	/Pods/			
		Short G	rass	Tall Grass		Plants/		Seeds/				
						Small	Insects	Large	Insects			
L	C50	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ			
34	401	677.18	0.199	286.81	0.084	358.51	0.105	55.77	0.016			

Size class not used for dietary risk quotients

Table	Table X. Mean Kenaga, Chronic Avian Dietary Based Risk Quotients									
		EECs and RQs								
NOAEC	Short G	Short Grass Tall Grass					Fruits/Pods/ Seeds/ Large Insects			
(ppm)	EEC RQ		EEC	RQ	EEC	RQ	EEC	RQ		
85	677.18	7.995	286.81	3.386	358.51	4.233	55.77	0.658		

Size class not used for dietary risk quotients

	Table 2	X. Mean	Kenaga	, Acute	Mamma	lian Dose	-Based	Risk Qu	otients		
						EECs a	nd RQs				
Size Class (grams)	Adjusted LD50	Short Grass Tall Grass Plants		Broadleaf Plants/ Small Insects		s/Pods/ eds/ Insects	Granivore				
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
15	5800.07	643.32	0.111	272.47	0.047	340.58	0.059	52.98	0.009	11.71	0.00
35	4692.88	446.94	0.095	189.29	0.040	236.61	0.050	36.81	0.008	8.37	0.00
1000	2029.81	101.58	0.050	43.02	0.021	53.78	0.026	8.37	0.004	1.67	0.00

Table 2	K. Mean Ker	aga, Acu		malian E ECs and		ased Ris	k Quotio	ents
LC50	Short G	rass		Grass	Broa Pla	ndleaf ints/ Insects	Fruits/Pods/ Seeds/ Large Insects	
(ppm)	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
0	677.18	######	286.81	######	358.51	######	55.77	######

Table X.	Mean Kena	ga, Chro	nic Man	nmalian	Dietary l	Based Ri	isk Quot	ients
NOAEC			E	ECs and	RQs			
(ppm)	Short G	rass	Tall (Grass	Broa	dleaf	Fruits	/Pods/
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ

THERPS MODEL OUTPUT (only listed for avocado use which represented the highest application rate and highest RQs among all the modeled uses)

Summary of Risk Quotient Calculations Based on Upper Bound Kenaga EECs

	Table X. Upper Bound Kenaga, Acute Terrestrial Herpetofauna Dose-Based Risk Quotients												
		EECs and RQs											
Size Class (grams)	Adjusted LD50	" Plants/		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammal		Small Amphibians			
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ		
1.4	0.00	41.79	######	4.64	#DIV/0!	N/A	N/A	N/A	N/A	N/A	N/A		
37	0.00	41.07	######	4.56	#DIV/0!	1191.82	######	74.49	#DIV/0!	1.43	######		
238	0.00	26.91	######	2.99	#DIV/0!	185.28	######	11.58	#DIV/0!	0.93	######		

Table 2	Table X. Upper Bound Kenaga, Subacute Terrestrial Herpetofauna Dietary Based Risk Quotients EECs and RQs												
LC50 (ppm)			Fruits/Pods/ Seeds/ Large Insects		Small H	erbivore ımals	Insec	nall tivore nmals	Sm Amph				
			EEC	EEC RQ		RQ	EEC	RQ	EEC	RQ			
3401	1075.52	0.32	119.50	0.04	1259.92	0.37	78.75	0.02	37.33	0.01			

Size class not used for dietary risk quotients

Table	Table X. Upper Bound Kenaga, Chronic Terrestrial Herpetofauna Dietary Based Risk Quotients													
		EECs and RQs												
NOAEC (ppm)			Se	Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		nall tivore nmals	Small Amphibians					
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ				
85	1075.52	12.70	119.50	1.41	1259.92	14.88	78.75	0.93	37.33	0.44				

Summary of Risk Quotient Calculations Based on Mean Kenaga EECs

	Table X. Mean Kenaga, Acute Terrestrial Herpetofauna Dose-Based Risk Quotients												
						I	EECs and R	.Qs					
Size Class (grams)	Adjusted LD50	Plants/		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammals		Small Amphibians			
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ		
1.4	0.00	13.93	######	2.17	#DIV/0!	N/A	N/A	N/A	N/A	N/A	N/A		
37	0.00	13.69	######	2.13	#DIV/0!	422.10	#DIV/0!	34.76	#DIV/0!	0.48	#DIV/0!		
238	0.00	8.97	######	1.40	#DIV/0!	65.62	#DIV/0!	5.40	#DIV/0!	0.31	#DIV/0!		

Table X. Mean Kenaga, Subacute Terrestrial Herpetofauna Dietary Based Risk Quotients													
	EECs and RQs												
LC50 (ppm)	Broadleaf Plants/ Small Insects		Seeds/ Large Insects		Small Ho Mam			sectivore ımals		nall nibians			
	EEC	RQ	EEC	EEC RQ		RQ	EEC	RQ	EEC	RQ			
3401	358.51	0.105	55.77	0.016	446.22	0.1312	36.75	0.011	12.44	0.004			

Size class not used for dietary risk quotients

	Table X. Mean Kenaga, Chronic Terrestrial Herpetofauna Dietary Based Risk Quotients EECs and RQs												
NOAEC (ppm)			Se	Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammals		Small Amphibians			
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ			
85	358.51	4.233	55.77	0.658	446.22	5.2683	36.75	0.434	12.44	0.147			